

# Recombinant Human CD28 Protein

Catalog No.: RP00136 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	940	P10747

### Tags

C-His

### Synonyms

Tp44

## Product Information

Source	Purification
HEK293 cells	> 97% by SDS-PAGE.

### Endotoxin

< 0.1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

### Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

## Background

The protein involved in T-cell activation, the induction of cell proliferation and cytokine production and promotion of T-cell survival. Enhances the production of IL4 and IL10 in T-cells in conjunction with TCR/CD3 ligation and CD40L costimulation. Isoform 3 enhances CD40L-mediated activation of NF-kappa-B and kinases MAPK8 and PAK2 in T-cells.

## Basic Information

### Description

Recombinant Human CD28 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Asn19-Pro152) of human CD28/TP44 (Accession #NP\_006130.1) fused with a 6xHis tag at the C-terminus.

### Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human CD28 at 10 μg/mL (100 μL/well) can bind Biotinylated Human CD86 with a linear range of 3-12 μg/mL.

### Storage

Store the lyophilized protein at -20°C to -80 °C for long term.

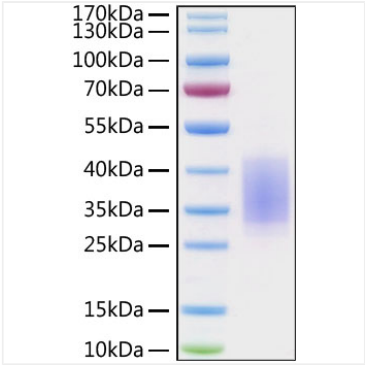
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.

Avoid repeated freeze/thaw cycles.

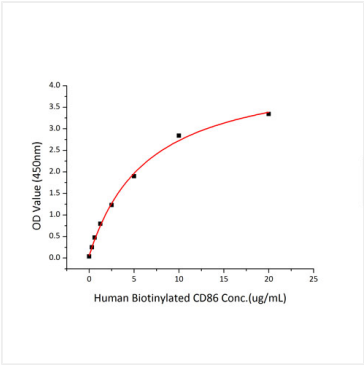
## Contact

 | [www.abclonal.com](http://www.abclonal.com)

# Validation Data



Recombinant Human CD28 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 38-50 kDa.



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